



Please type a plus sign (+) inside this box →



RECEIVED **AF**  
1600

FEB 12 2003

TECH CENTER 1600  
P.O. Box 1600  
Morgantown, WV 26505-1600  
P.O. Box 21  
08-00

Approved for use through 10/31/2002  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<b>TRANSMITTAL FORM</b>  (to be used for all correspondence after initial filing)		Application Number	09/509,196	
		Filing Date	March 23, 2000	
		First Named Inventor	DALY, ROGER JOHN	
		Group Art Unit	1646	
		Examiner Name	CHERNYSHEV, OLGA N.	
Total Number of Pages in This Submission		33	Attorney Docket Number	RICE-012
<b>ENCLOSURES (check all that apply)</b>				
<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Assignment Papers (for an Application)	<input type="checkbox"/> After Allowance Communication to Group		
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences		
<input checked="" type="checkbox"/> Amendment / Reply	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)		
<input checked="" type="checkbox"/> After Final	<input type="checkbox"/> Petition	<input type="checkbox"/> Proprietary Information		
<input checked="" type="checkbox"/> Declaration of Yasumichi Hitoshi	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Status Letter		
1) Exhibit 1 Curriculum Vitae of Yasumichi Hitoshi	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): <b>Postcard</b>		
2) Exhibit 2: Primers used in expression analysis of 2.2412	<input type="checkbox"/> Terminal Disclaimer			
2) Graphs showing expression of 2.2412 in normal and cancerous human cells	<input type="checkbox"/> Request for Refund			
<input type="checkbox"/> Information Disclosure Statemen	<input type="checkbox"/> CD, Number of CD(s) _____			
<input type="checkbox"/> Response to Missing Parts/ Incomplete Application	Remarks			
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53				
<b>SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT</b>				
Firm or Individual Name	CAROL L. FRANCIS, Reg. No. 36,513			
Signature				
Date	February 4, 2003			

<b>CERTIFICATE OF MAILING</b>			
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231 on this date: February 4, 2003.			
Typed or printed name	Steven F. Goldstein		
Signature		Date	February 4, 2003

Burden Hour Statement: This form is estimated to take .2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

**CERTIFICATE OF MAILING**

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231 on this date: February 4, 2003.

Typed or Printed Name	Steven F. Goldstein		
Signature	<i>Steven F. Goldstein</i>	Date	February 4, 2003

RECEIVED  
FEB 12 2003  
TECH CENTER 1600/2900

<b>AMENDMENT UNDER 37 C.F.R. §1.116</b>  Address to: Box AF Assistant Commissioner for Patents Washington, D.C. 20231	Attorney Docket Confirmation No.	RICE-012 8868
	First Named Inventor	Roger John Daly
	Application Number	09/509,196
	Filing Date	March 23, 2000
	Group Art Unit	1646
	Examiner Name	Olga N. Chernyshev
	Title	"Potential Effector for the GRB7 Family of Signalling Proteins"

25/E  
J.G.J  
2/13/03  
(initials)

Sir:

This amendment is responsive to the Final Office Action dated November 5, 2002 for which a three-month period for response was given making this response due on or before February 5, 2003. In view of the amendments to the claims and the remarks put forth below, reconsideration and allowance are respectfully requested. Applicants have attached to this amendment a "Version with Markings to Show Changes Made" wherein all of the amendments requested here are put forth with underlining and bracketing.

Applicants submit that the amendments set forth below raise no new issues. Rather, the amendments place the claims in form for allowance or in better form for appeal. Entry of these amendments is thus respectfully requested.

**AMENDMENTS****IN THE CLAIMS**

Please replace the pending claims with their correspondingly numbered claims below.

Claims 23 and 30 are canceled without prejudice.

Claims 1 and 22 are amended.

1. **(Thrice Amended)** An isolated polynucleotide molecule encoding an effector protein for the Grb7 family of signalling proteins, wherein the polynucleotide molecule comprises a nucleotide sequence encoding an amino acid sequence having at least 95% sequence identity to the amino acid sequence as shown in SEQ ID NO:2.

E1